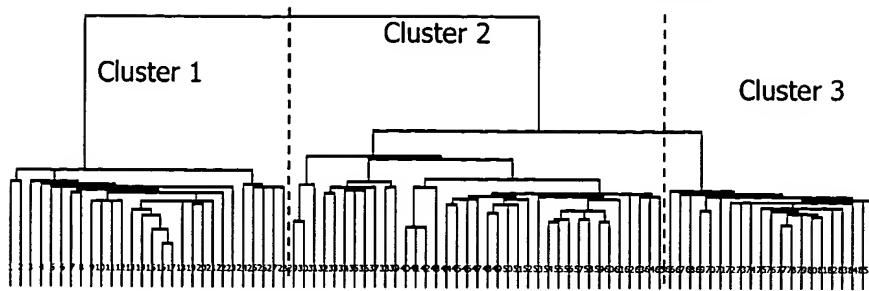


FIGURE 1



	I.D.	Age/Sex	T/N	Stage	Classification	Differentiation	Smoking	Survival	p53	K-ras Codon mutation
Cluster 1	1	63.1/F	2/0	1	BD	Moderate	30	20.6	-	
	2	44.6/F	1/0	1	BD	Moderate	15	85.2	-	
	3	51.8/F	1/0	1	BD	Moderate	20	20.2	+	
	4	64/F	3/1	3	BD	Moderate	50	21.2	-	12(1) G > T
	5	58.8/M	2/2	3	BD	Moderate	48	12.2	not avail	12(1) G > T
	6	45.8/F	3/1	3	BD	Poor	75	4	-	12(1) G > T
	7	75.6/F	1/0	1	BD	Moderate	108	36.5	-	12(2) G > T
	8	54.9/F	1/0	1	B/A	Well	40	1.5	-	12(1) G > T
	9	76/F	1/0	1	BD	Well	40	63.4	-	12(1) G > T
	10	61/F	1/0	1	B/A	Well	100	19.5	-	12(2) G > C
	11	68.5/F	1/0	1	B/A	Well	5	24.4	-	
	12	84.6/F	1/0	1	B/A	Well	none	30.8	-	
	13	65.6/M	1/0	1	BD	Moderate	90	12.5	+	
	14	63.8/F	1/0	1	BD/PA	Moderate	100	5.8	-	
	15	73.8/M	2/0	1	B/A/MU	Well	55	4.5	-	12(2) G > A
	16	58.4/M	1/0	1	BA	Well	90	36	-	
	17	74.6/F	1/0	1	BD	Moderate	50	40	-	
	18	75/M	2/0	1	BD	Moderate	14	34.2	-	
	19	67.3/M	1/0	1	BA	Well	30	65.4	-	
	20	79.8/M	2/0	1	BA	Well	30	19.9	-	
	21	72.9/F	1/0	1	B/A	Well	2.5	43.8	-	
	22	46.3/F	1/0	1	B/A / U	Well		40	-	
	23	52.9/F	1/0	1	BD	Poor	60	8.3	+	12(2) G > C
	24	55.4/M	4/0	3	BD	Poor	50	8.5	-	
	25	62/F	2/0	1	BA/MU	Well	none	30.6	-	
	26	60.2/M	1/0	1	BD/MU	Moderate	60	26.8	-	12(1) G > T
	27	68.2/F	2/0	1	BD/MU	Moderate	50	10.1	+	12(1) G > C
	28	49/F	2/0	1	BD	Poor	60	8.7	-	
Cluster 2	29	68.2/F	2/0	1	BA	Well	none	34.7	-	12(2) G > T
	30	66.2/M	2/0	1	BA	Well		34.6	-	12(2) G > T
	31	59.4/F	1/0	1	BD	well/mod.	none	13	-	12(2) G > T
	32	63.7/M	2/2	3	BD/MU	Poor	30	6.1	-	
	33	52.3/F	3/2	3	BD	Moderate	none	52.4	-	
	34	56.5/M	3/2	3	BD	Moderate	40	9.6	-	12(2) G > C
	35	73.6/F	2/0	1	BD/PA	Moderate	50	54.8	-	12(1) G > T
	36	62.2/M	2/2	3	BD/PA	Moderate	20	15.1	-	12(1) G > T
	37	62.1/F	1/0	1	BA/MU	Well	20	25.2	-	
	38	65.4/M	2/0	1	BD	Moderate	12	48.1	+	
	39	58.5/F	2/2	3	BD/PA	Moderate	none	16.6	-	
	40	78.5/F	4/2	3	BD	Poor	2	10	+	12(1) G > T
	41	62.7/F	1/0	1	B/A	Well	45	10.1	-	
	42	66.8/F	2/0	1	BD	Poor	15	32.2	-	
	43	48.2/F	1/0	1	BD	Moderate	none	98.7	-	12(2) G > C
	44	60/M	2/0	1	BD	Moderate	27	60.5	-	12(2) G > A
	45	74.9/F	1/0	1	BD	Poor	30	29.6	-	12(2) G > A
	46	59.9/F	1/0	1	BD	Moderate	80	107.9	-	12(2) G > C
	47	63.2/M	1/0	1	BD	Poor	27	39.1	-	
	48	60.4/M	2/0	1	BD	Poor	160	82.4	-	12(1) G > T
	49	65/M	1/0	1	BD	Moderate	60	84.1	-	
	50	42.8/M	1/0	1	BD	Moderate	60	77.8	-	
	51	67.1/M	1/0	1	BD	Moderate	25	79.5	+	12(2) G > A
	52	72.1/M	1/0	1	BD/PA	Moderate	100	19	+	13(1) G > T
	53	56.3/M	1/0	1	BD	Moderate	18	10.4	+	
	54	69.2/F	1/0	1	BA/BD	Well	40	34.1	-	
	55	65.8/F	1/0	1	BD	Moderate	20	70.7	-	12(2) G > T
	56	56/M	1/0	1	BD	Moderate	80	68.1	+	
	57	63.6/F	1/0	1	B/A	Well	34	4.9	-	12(1) G > T
	58	82.8/F	1/0	1	B/A	Well	none	25.3	-	
	59	82.5/F	1/0	1	BD	Well	none	48.2	-	
	60	62/F	2/0	1	BA	Well	positive	108.2	-	12(1) G > T
	61	74.2/F	1/0	1	B/A with PA	Well	75	28.3	-	12(2) G > T
	62	59.6/M	1/0	1	BD	Moderate	60	52.9	-	
	63	59.5/F	2/0	1	BD	Moderate	positive	93.7	-	
	64	65.6/F	1/0	1	BD	Poor	48	91.8	+	
	65	54.6/F	1/0	1	BD/CC	Moderate	29	110.6	-	

P-VALUES: Differentiation 0.01; Smoking 0.06; p53 0.99; K-ras 0.413; Stage 0.03; BA type 0.006

Note: Smoking=pack years; Survival=Months

Note: Classification: BD=Bronchial Derived; BA=Bronchioloalveolar; PA=Papillary; CC=Clear Cell; MU=Mucinous

\* = Deceased

Cluster	I.D.	Age/Sex	T/N	Stage	Classification	Differentiation	Smoking	Survival	p53	K-ras	
										Codon	mutation
Cluster 3	66	76.7/M	2/0	1	BD/CC	Poor	100	47	-		
	67	57.9/F	1/0	1	BD	Poor		91.9	-	12(2)	G > A
	68	51.7/M	2/0	1	BD	Poor	50	45.8	-		
	69	72/F	2/2	3	BD	Poor	50	5.4	-	12(1)	G > T
	70	72/M	3/2	3	BD/MU	Moderate	50	2.4	-		
	71	71.5/F	2/2	3	BD/PA	Moderate	25	54.6	-	12(2)	G > C
	72	46.2/M	1/0	1	BD	Poor	50	87.7	-	13(2)	G > T
	73	54.9/F	1/2	3	BD	Moderate	7.5	20.1	-		
	74	62.6/F	2/0	1	BD	Well	50	14.5	-	12(1)	G > T
	75	84.5/F	1/0	1	BD	Poor	75	1.6	-		
	76	73.1/F	2/0	1	BD/CC	Poor	26	8.4	-	12(1)	G > T
	77	64.4/M	1/2	3	BD	Poor	84	2.6	-	13(2)	G > A
	78	70/M	1/0	1	BD	Poor	60	21.1	+		
	79	69.7/M	1/2	3	BD/PA	Moderate	25	7.2	-	12(1)	G > A
	80	64.4/M	2/2	3	BD	Moderate	4	28.2	+	12(1)	G > T
	81	77.2/M	1/2	3	BD	Moderate	45	14.9	+		
	82	61.4/M	2/0	1	BD	Poor	90	17.7	-	12(1)	G > T
	83	53.5/F	4/0	3	BD	Moderate	23	29.4	-		
	84	50.6/F	2/0	1	BD	Moderate	57	78.5	-		
	85	60.2/M	1/0	1	BD/CC	Moderate	90	61.8	+		
	86	40.9/F	2/0	1	BD/PA	Moderate	15	83.7	-	12(2)	G > A

P-VALUES: Differentiation 0.01; Smoking 0.06; p53 0.99; K-ras 0.413; Stage 0.03; BA type 0.006

Note: Smoking=pack years; Survival=Months

Note: Classification: BD=Bronchial Derived; BA=Bronchioloalveolar; PA=Papillary; CC=Clear Cell; MU=Mucinous

\* = Deceased

FIGURE 2A

Normal  
Lung

Adenocarcinoma

Stage I

Stage III

64 66 67 71 | 22 24 25 26 27 57 78 84 | 19 33 34 35 36 91 92 96

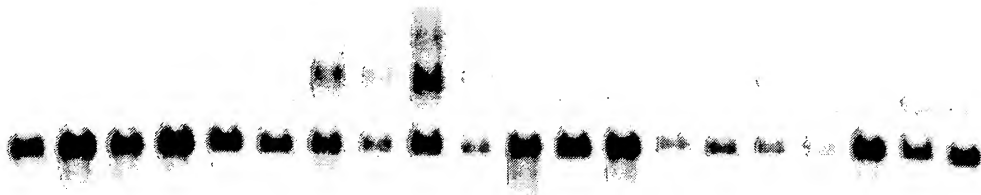
IGFBP3



LDH-A



Cystatin C



H4 histone

28S RNA

Figure 2B

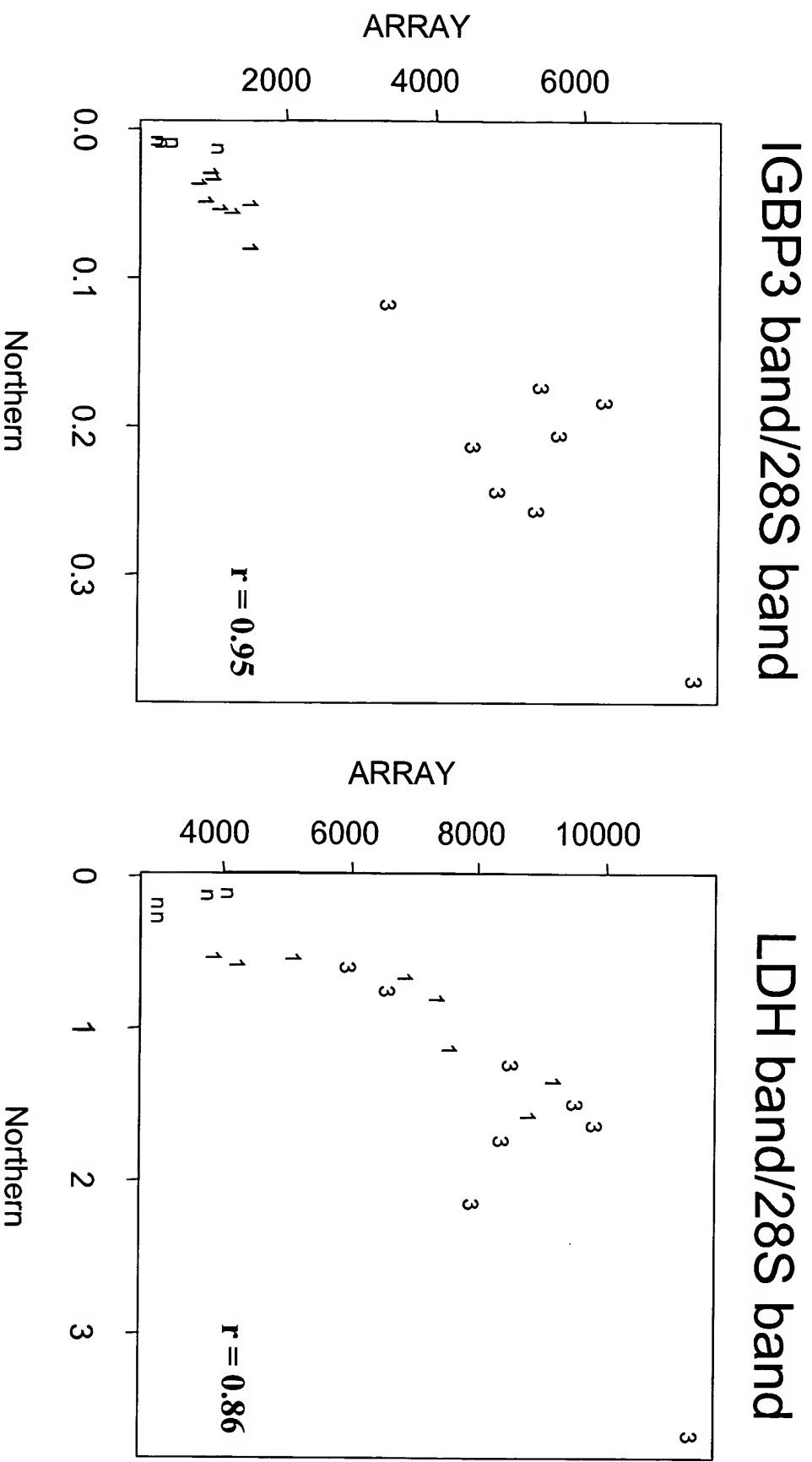


Figure 3

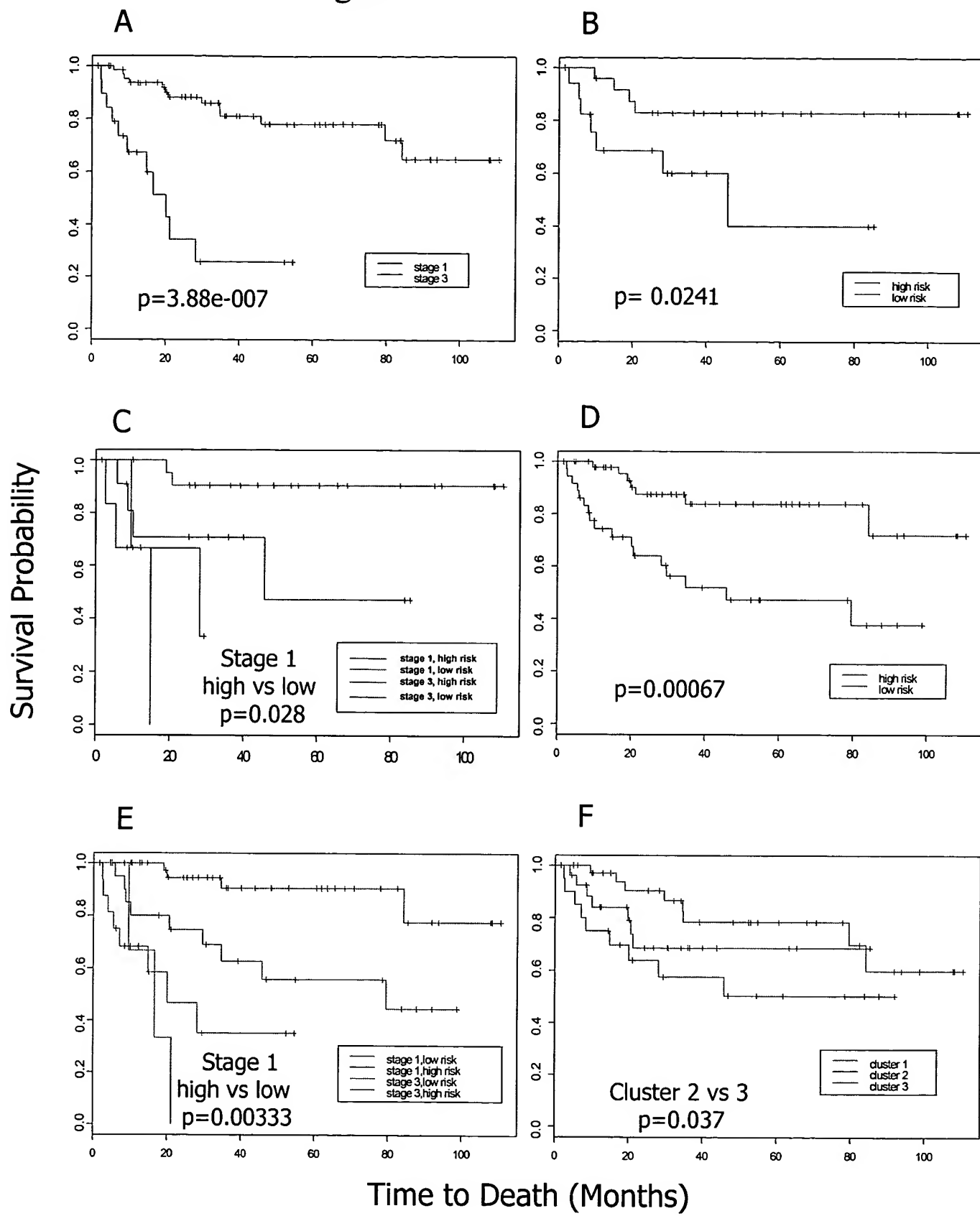
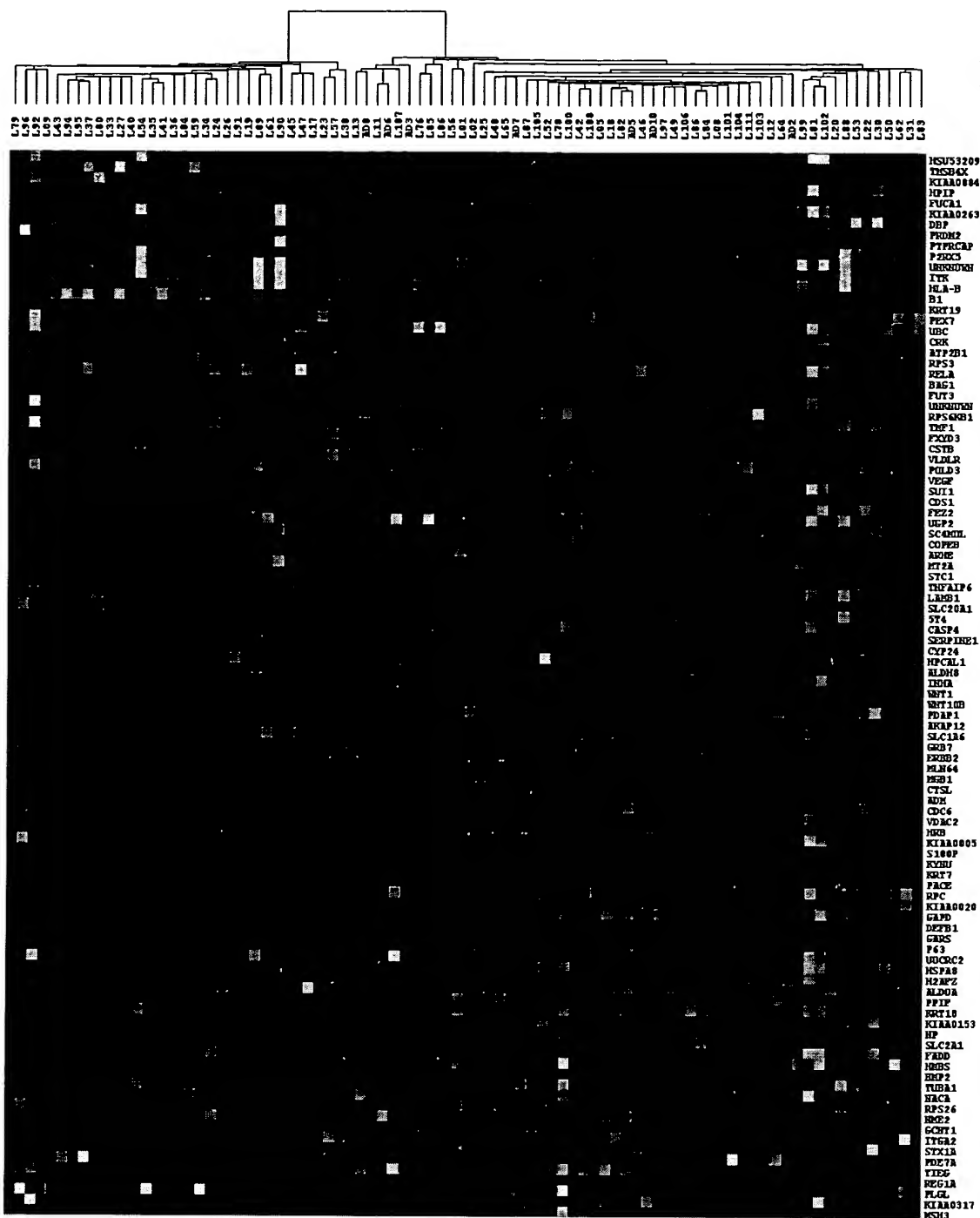


Figure 4A

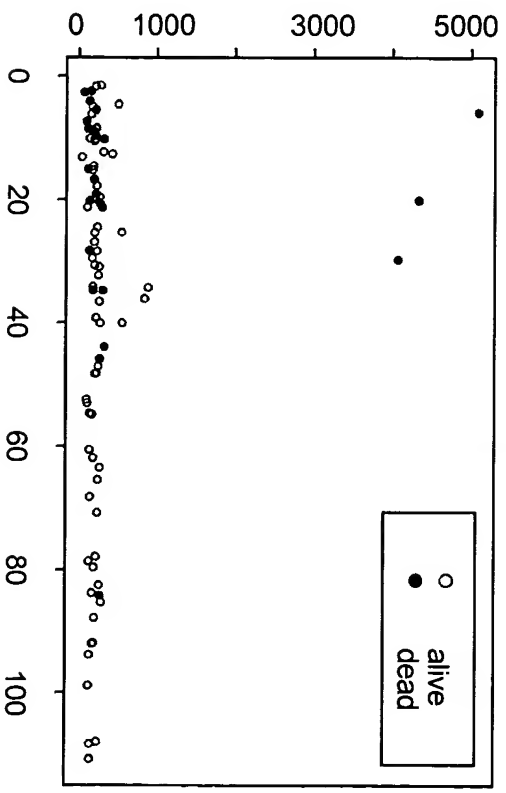
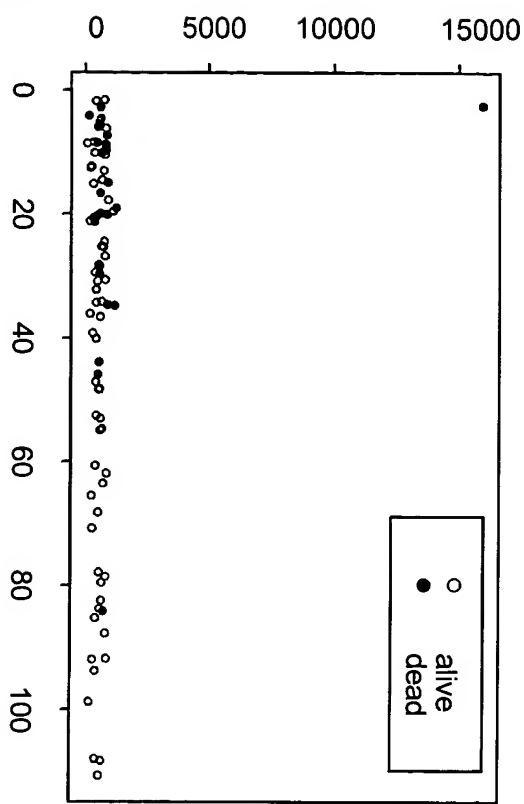


GRB7  
ERBB2  
MLN64  
MGB1

ERBB2

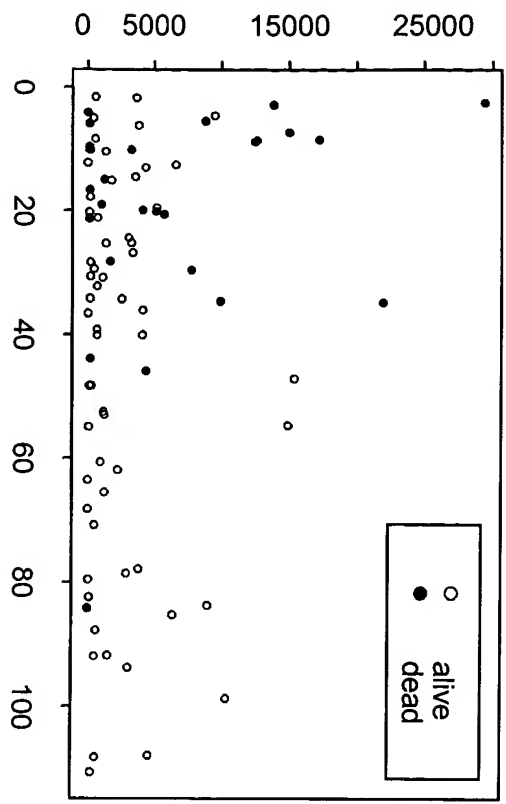
Figure 4B

REG1A

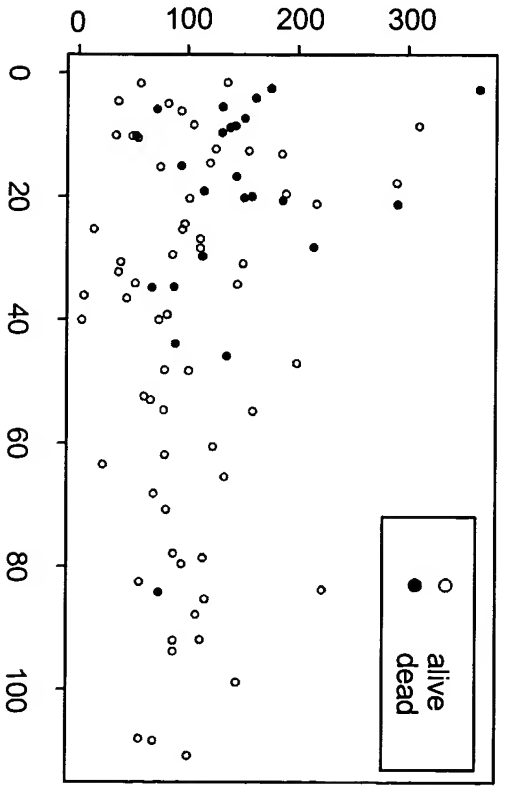


expression

S100P



CRK



survival time

Figure 4C

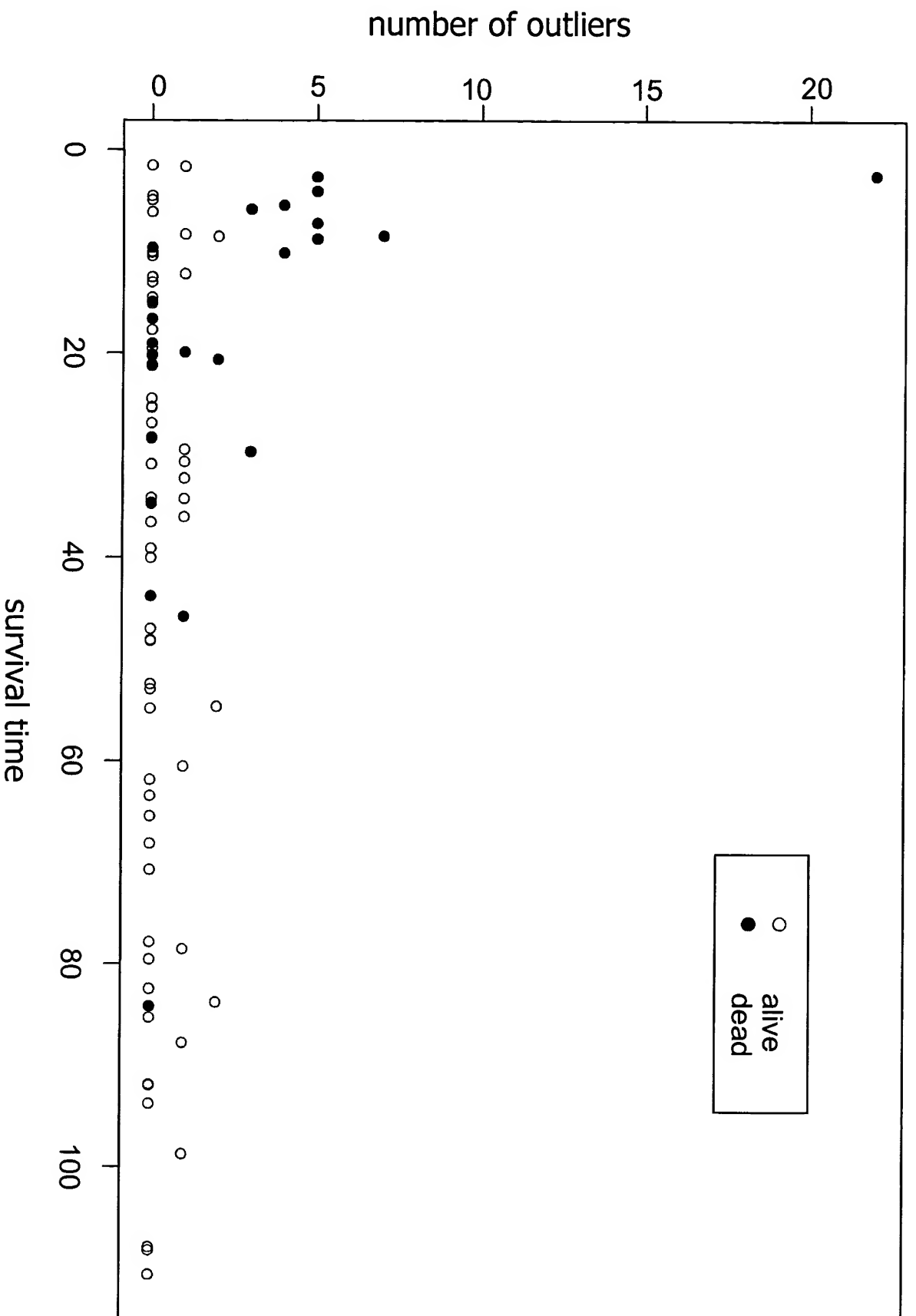




Figure 5

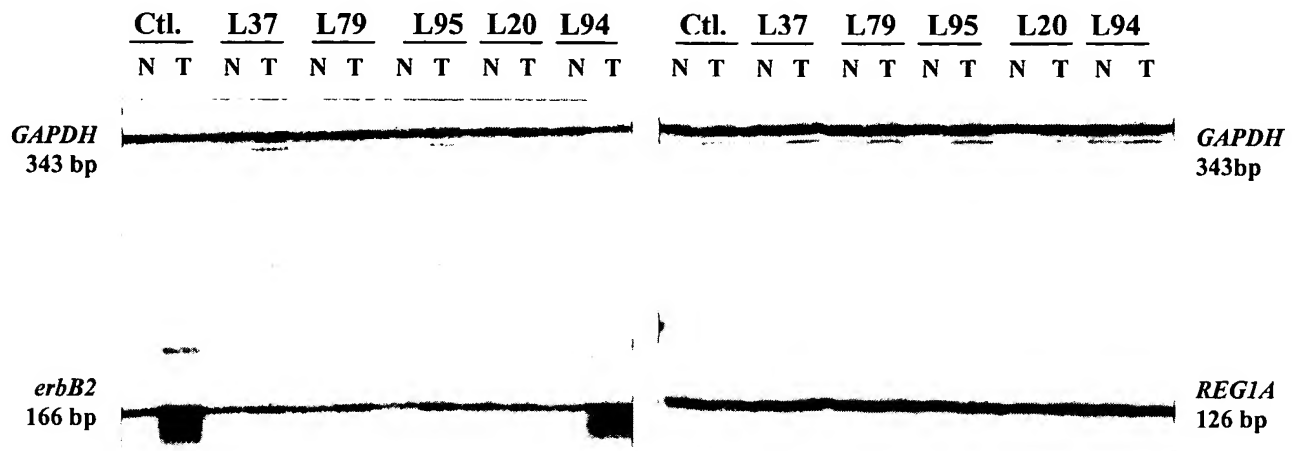


Figure 6

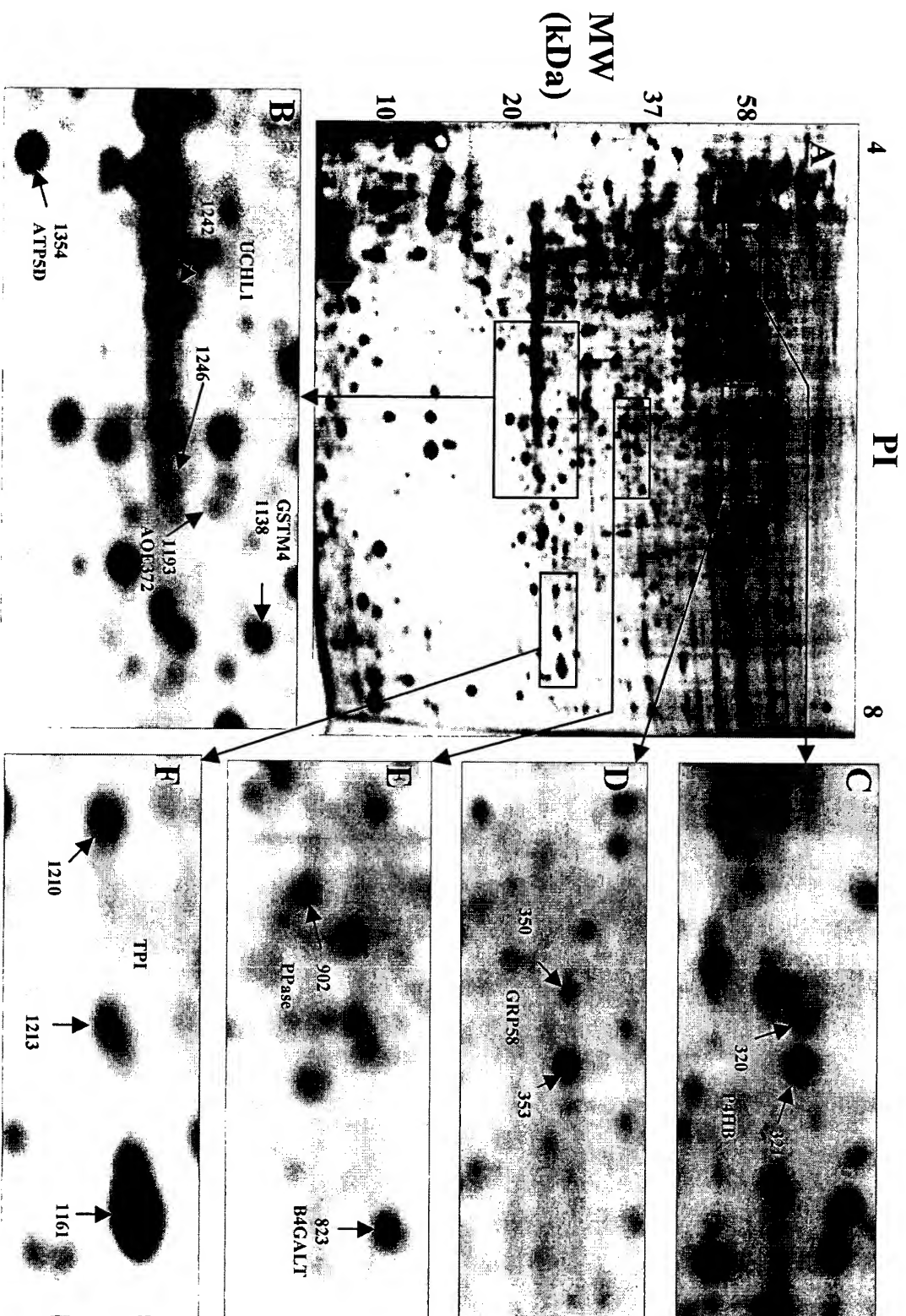
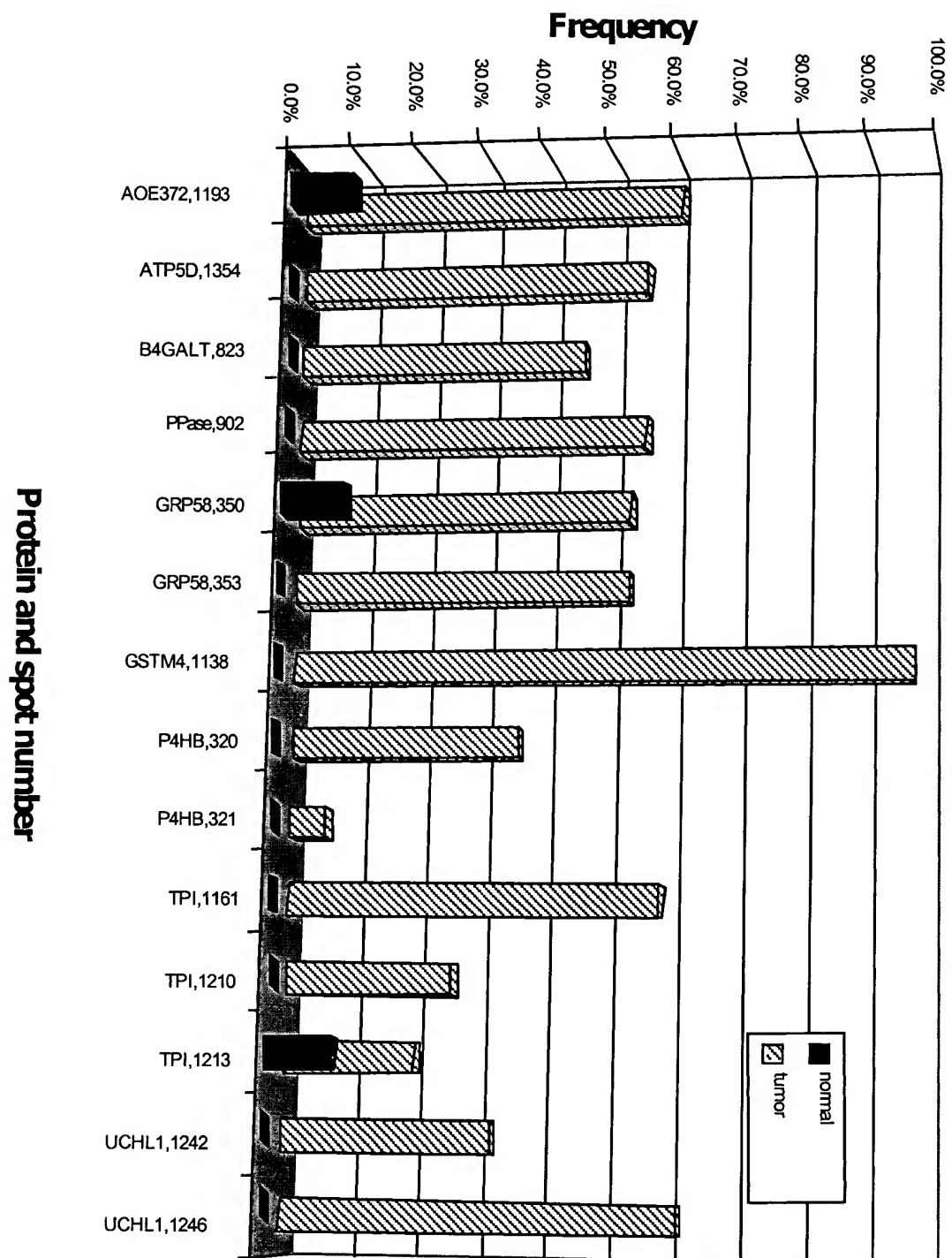


Figure 7



**Figure 8**

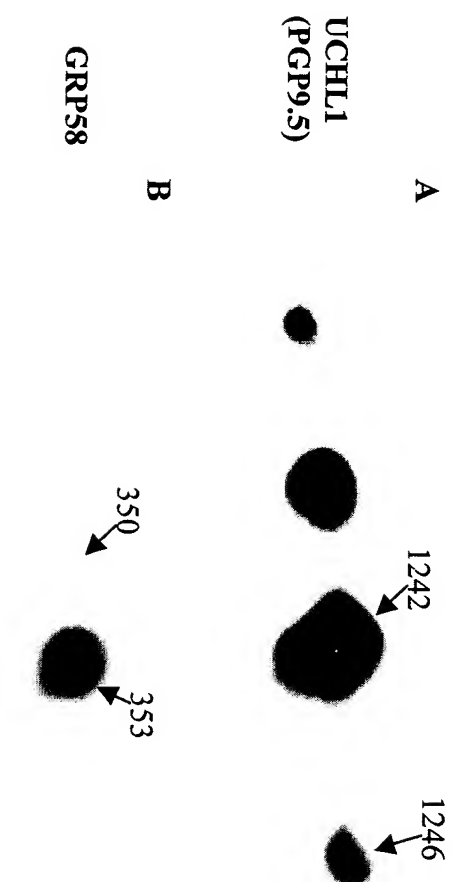
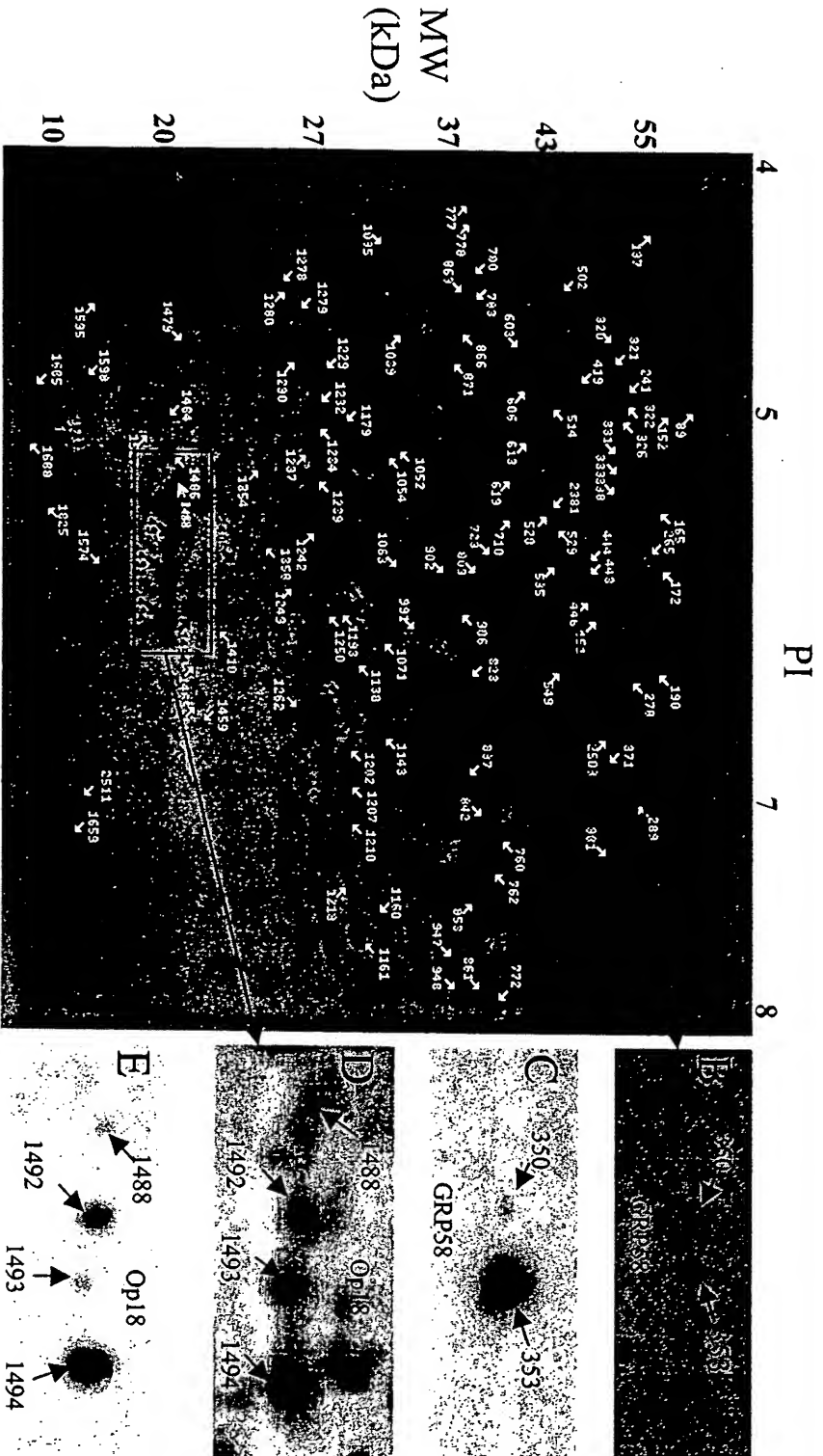


Figure 9



**Figure 10**

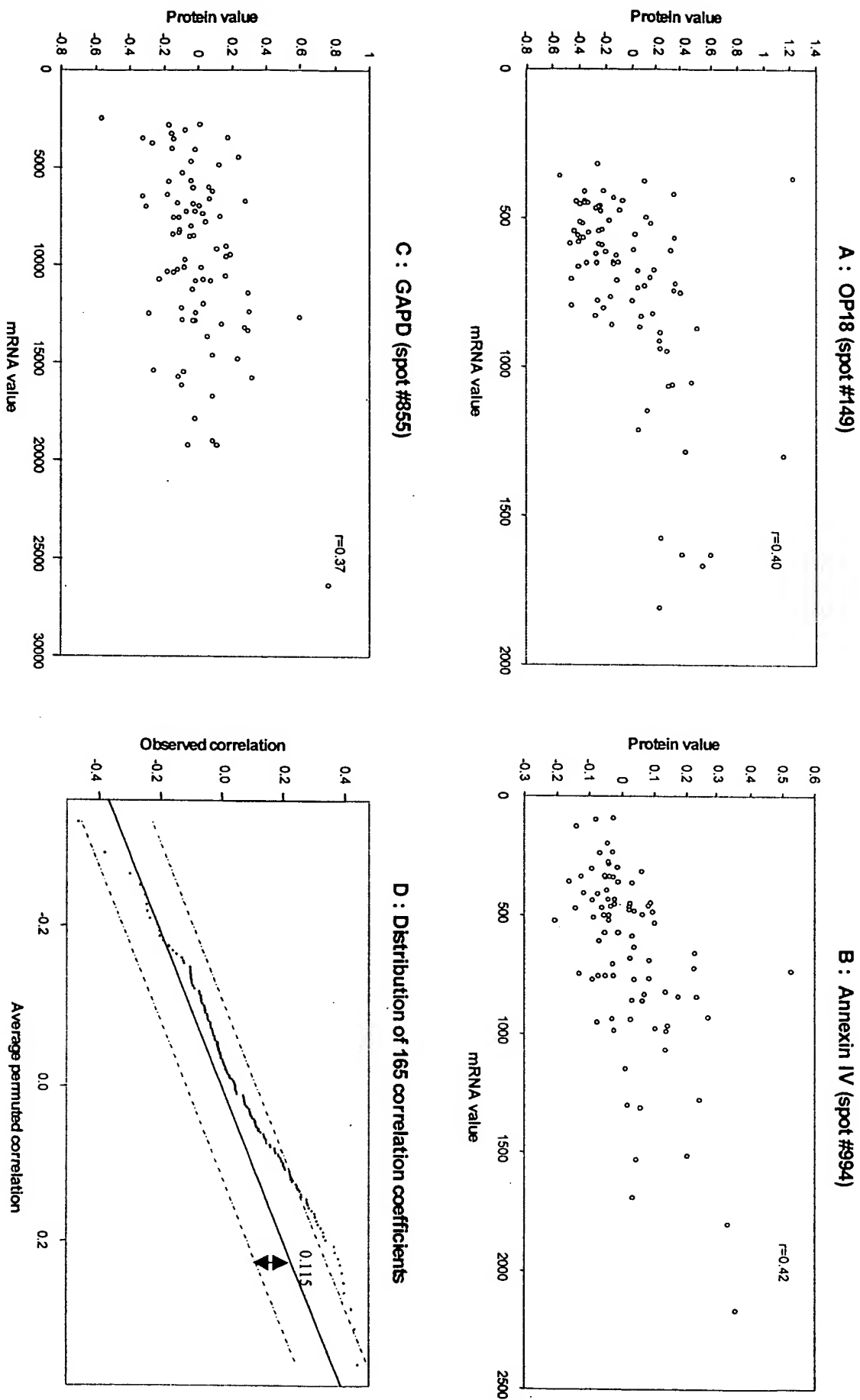
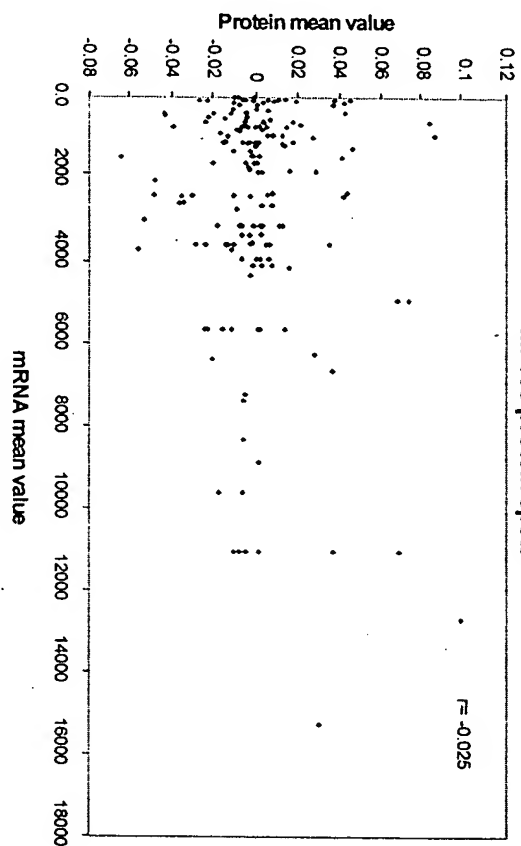
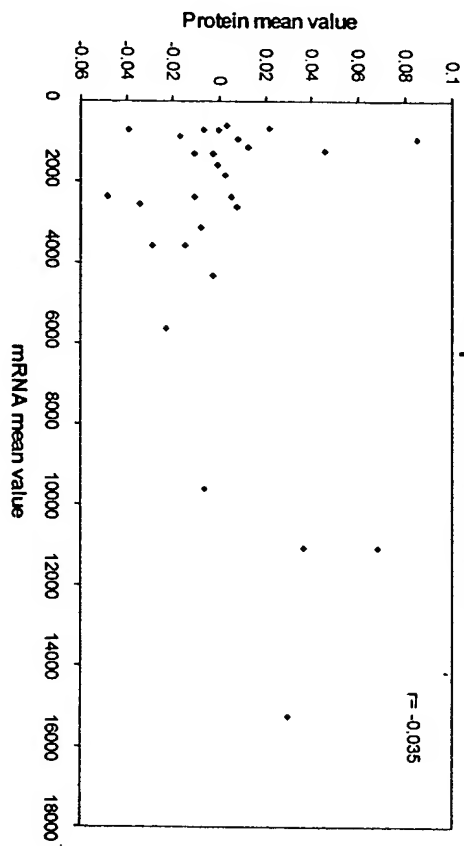


Figure 11

A: Correlation of protein and mRNA across all 165 protein spots



B: Correlation of protein and mRNA across 28 proteins with  $r > 0.244$



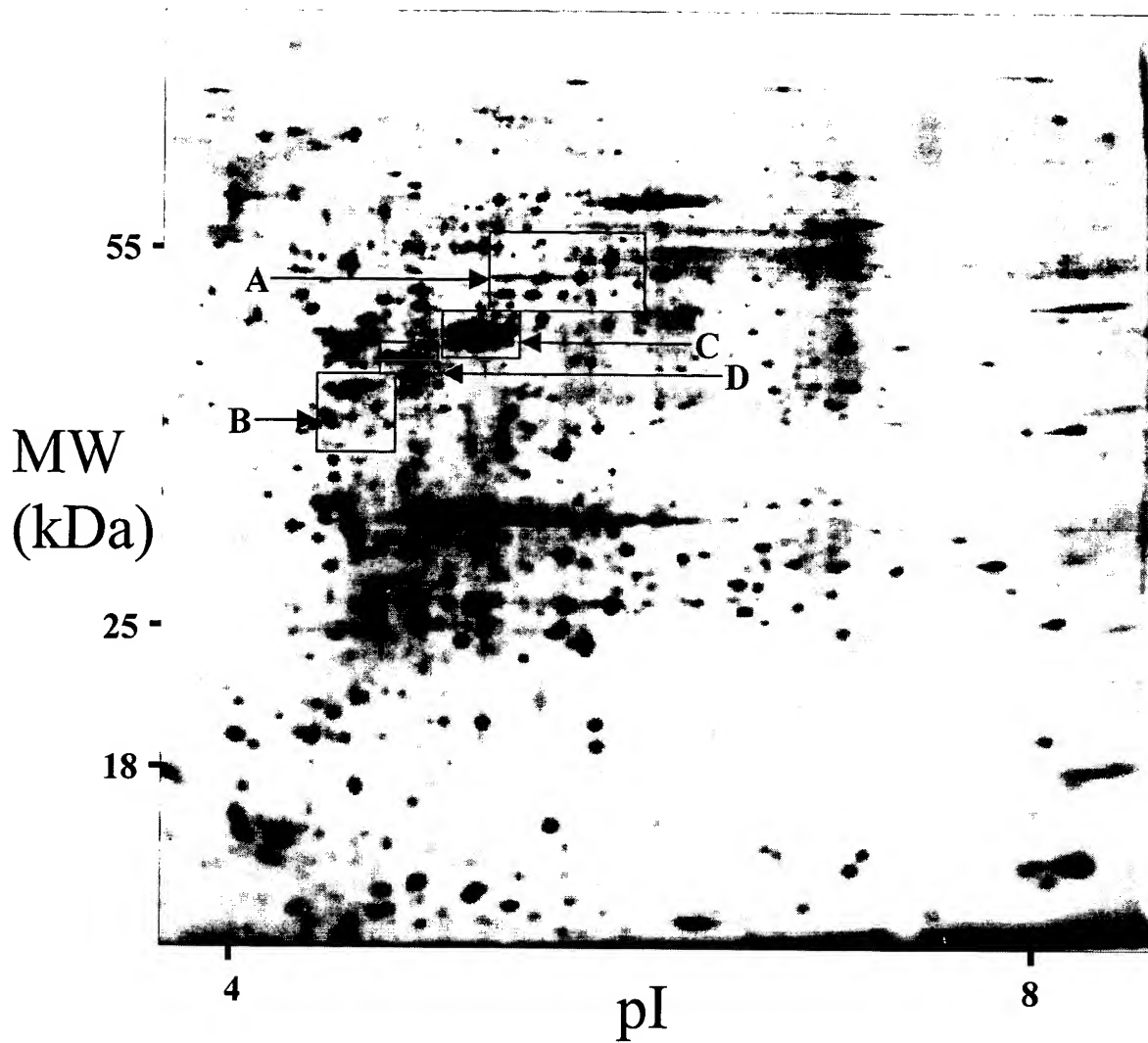


Figure 12



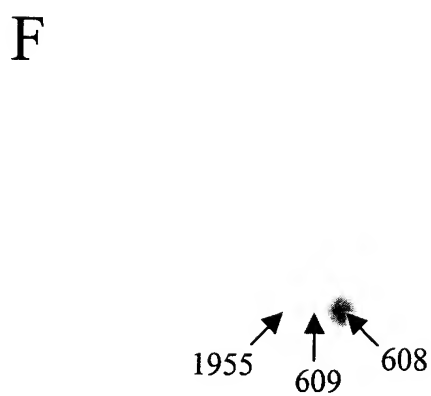
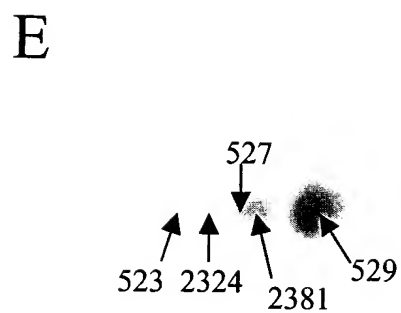
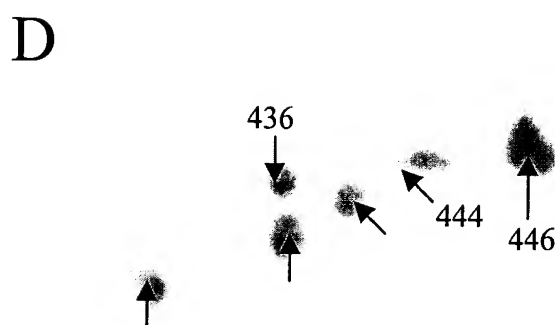
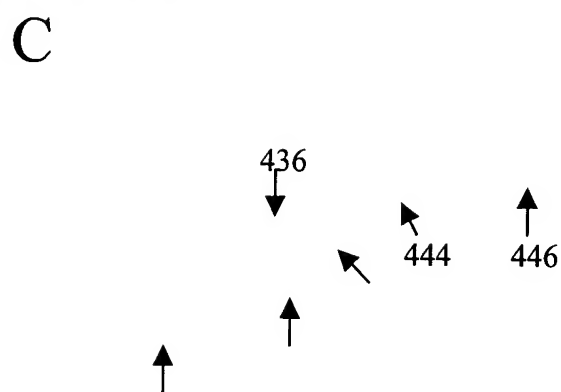
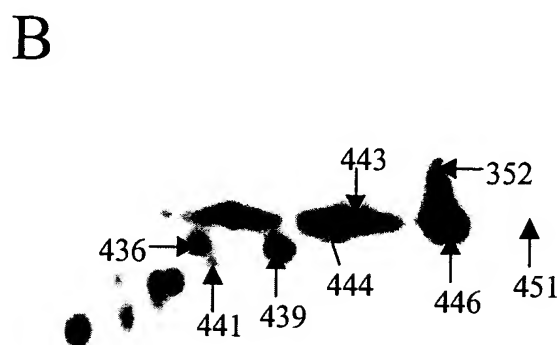
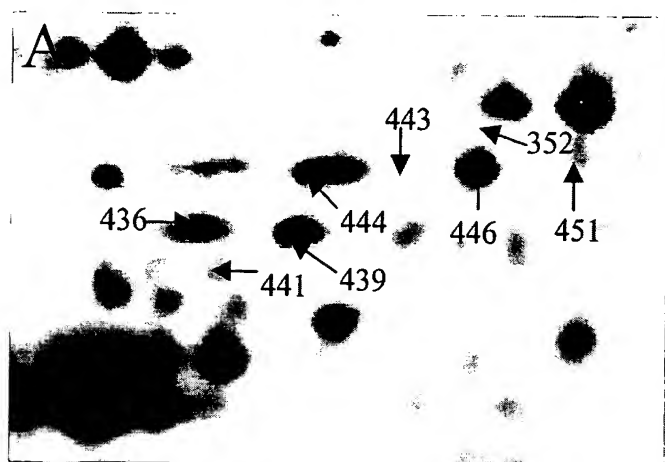


Figure 2